

## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---|------------------|---------|------------------|
| S1    | 209    | (359/536).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | OFF     | 2007/04/24 10:03 |
| S2    | 365    | (359/538-540).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | OFF     | 2007/04/18 09:25 |
| S3    | 129    | (359/541).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | OFF     | 2007/04/18 09:26 |
| S4    | 426    | (359/529).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | OFF     | 2007/04/18 09:29 |
| S5    | 79764  | glass with (spher\$4 or ball? or bead?)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2007/04/18 10:39 |
| S6    | 3006   | (retroreflect\$4 or retro?reflect\$4) same sheet\$3         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2007/04/23 08:02 |
| S7    | 572    | S1 or S2 or S3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2007/04/23 07:58 |
| S8    | 425350 | (thick\$4 or width or depth) near (surface or top or layer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2007/04/18 10:50 |
| S9    | 224    | S5 and S6 and S8  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2007/04/18 17:19 |
| S10   | 61     | S7 and S9   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2007/04/18 13:59 |
| S11   | 1      | ("20060256439").PN.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR               | OFF     | 2007/04/18 17:20 |

## EAST Search History

|     |        |   |   |    |    |                  |
|-----|--------|---|---|----|----|------------------|
| S12 | 76999  | reflect\$4 near layer   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 13:17 |
| S13 | 45     | S10 and S12   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 13:17 |
| S14 | 861422 | random\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 14:07 |
| S15 | 580    | S6 and S8   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 13:59 |
| S16 | 101    | S7 and S15  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 14:00 |
| S17 | 40     | S16 not S10   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 14:02 |
| S18 | 218    | S14 and S15   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:52 |
| S19 | 14     | ("3493286" "4505967" "4664966" "4808471" "5818640" "5847795").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 14:17 |
| S20 | 6      | ((SHIGEO) near2 (YUKAWA)).INV.                                    | US-PGPUB;<br>USPAT;<br>USOCR  | OR | ON | 2007/04/18 15:46 |

## EAST Search History

|     |    |                                |   |    |    |                  |
|-----|----|--------------------------------|---|----|----|------------------|
| S21 | 42 | ((HIDEYUKI) near2 (OKI)).INV.  | US-PGPUB;<br>USPAT;<br>USOCR  | OR | ON | 2007/04/18 14:27 |
| S22 | 1  | ((YOSHITAKA) near2 (URA)).INV. | US-PGPUB;<br>USPAT;<br>USOCR  | OR | ON | 2007/04/23 07:58 |
| S23 | 47 | S20 or S21 or S22              | US-PGPUB;<br>USPAT;<br>USOCR  | OR | ON | 2007/04/18 14:27 |
| S24 | 0  | KR-0074836-\$.did.             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:40 |
| S25 | 0  | KR-74836-\$.did.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:32 |
| S26 | 2  | JP-2002040210-\$.did.          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:35 |
| S27 | 2  | JP-08101304-\$.did.            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:35 |
| S28 | 1  | JP-06289207-\$.did.            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:36 |
| S29 | 2  | JP-04086701-\$.did.            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:36 |
| S30 | 0  | WO-0129587-\$.did.             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:37 |

## EAST Search History

|     |    |   |   |    |    |                  |
|-----|----|---|---|----|----|------------------|
| S31 | 1  | WO-200129587-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:39 |
| S32 | 2  | WO-9826313-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:39 |
| S33 | 0  | KR-200074836-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:40 |
| S34 | 1  | KR-2000074836-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:41 |
| S35 | 23 | S24 or S25 or S26 or S27 or S28 or S29 or S30 or S31 or S32 or S19                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:42 |
| S36 | 97 | S18 and S5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:53 |
| S37 | 19 | S10 and S14   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/18 16:58 |
| S38 | 4  | (US-20030151815-\$.did. or (US-5706132-\$ or US-6350036-\$.did. or (US-3493286-\$.did.                  | US-PGPUB;<br>USPAT;<br>USOCR  | OR | ON | 2007/04/18 17:05 |
| S39 | 5  | (US-20030151815-\$.did. or (US-5706132-\$ or US-6350036-\$ or US-6365262-\$.did. or (US-3493286-\$.did. | US-PGPUB;<br>USPAT;<br>USOCR  | OR | ON | 2007/04/18 17:13 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S40 | 1   | S39 and focus\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/18 17:13 |
| S41 | 1   | S39 and focus\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/18 17:14 |
| S42 | 48  | S36 and focus\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/18 17:14 |
| S43 | 8   | S37 and focus\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/18 17:14 |
| S44 | 1   | S11 and "focusing layer"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/18 17:21 |
| S45 | 7   | ("5706132") or ("5770124") or ("5508084") or ("5558740") or ("5629790") or ("5486944") or ("6226126").PN. | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/19 17:37 |
| S46 | 209 | (359/536).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/23 07:58 |
| S47 | 365 | (359/538-540).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/23 07:58 |
| S48 | 129 | (359/541).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/23 07:58 |
| S49 | 426 | (359/529).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/23 07:58 |
| S50 | 964 | S46 or S47 or S48 or S49  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/23 08:03 |

## EAST Search History

|     |         |   |   |    |    |                  |
|-----|---------|---|---|----|----|------------------|
| S51 | 1050930 | random\$4 or non?uniform\$4 or nonuniform\$4 or dispurs\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:00 |
| S52 | 74257   | nonisotropic\$4 or non?isotropic\$4 or isotropic\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:01 |
| S53 | 2449726 | nonisotropic\$4 or non?isotropic\$4 or isotropic\$4 or distribut\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:01 |
| S54 | 79843   | glass with (spher\$4 or ball? or bead?)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:40 |
| S55 | 15462   | retroreflect\$4 or retro?reflect\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:02 |
| S56 | 351     | S50 and S54   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:41 |
| S57 | 148     | S56 and (S51 or S53)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:41 |
| S58 | 8       | (US-20030151815-\$).did. or (US-5706132-\$ or US-6350036-\$ or US-6365262-\$).did. or (US-3493286-\$ or US-2275597-\$ or US-2897733-\$ or US-3030870-\$).did. | US-PGPUB;<br>USPAT;<br>USOCR  | OR | ON | 2007/04/23 08:11 |
| S59 | 7       | S58 and back\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:22 |

## EAST Search History

|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S60 | 6      | S58 and (aluminum or copper or metal)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:25 |
| S61 | 7      | S58 and (aluminum or copper or metal\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:34 |
| S62 | 7      | S59 and S61                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:34 |
| S63 | 98     | S54 and S55 and S56 and (S51 or S53)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:39 |
| S64 | 0      | S63 not S57                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:40 |
| S65 | 998237 | spher\$4 or ball? or bead?               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:40 |
| S66 | 492    | S50 and S65                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:41 |
| S67 | 218    | S66 and (S51 or S53)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/23 08:41 |

## EAST Search History

|     |    |  |   |    |     |                  |
|-----|----|--|---|----|-----|------------------|
| S68 | 70 | S67 not S57  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/23 08:42 |
| S69 | 11 | (US-20030151815-\$).did. or (US-5706132-\$ or US-6350036-\$ or US-6365262-\$ or US-6333817-\$ or US-6560023-\$ or US-6700707-\$).did. or (US-3493286-\$ or US-2275597-\$ or US-2897733-\$ or US-3030870-\$).did. | US-PGPUB;<br>USPAT;<br>USOCR  | OR | ON  | 2007/04/23 09:08 |
| S70 | 9  | S69 and (wt or weight)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/23 09:21 |
| S71 | 7  | ((("5706132") or ("5770124") or ("5508084") or ("5558740") or ("5629790") or ("5486944") or ("6226126")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/23 09:21 |
| S72 | 4  | S71 and (wt or weight)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/23 10:12 |
| S73 | 2  | S71 and (refract\$4 adj index)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/23 10:13 |
| S74 | 17 | S69 or S71   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/23 10:21 |
| S75 | 9  | S74 and (refract\$4 adj index)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/23 10:13 |
| S76 | 14 | ("3493286" "4505967" "4664966" "4808471" "5818640" "5847795").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/23 10:22 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S77 | 30  | S69 or S71 or S76   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/23 10:35 |
| S78 | 21  | S77 and glass   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/23 13:09 |
| S79 | 9   | S77 and S54   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/23 13:09 |
| S80 | 7   | (("5706132") or ("5770124") or ("5508084") or ("5558740") or ("5629790") or ("5486944") or ("6226126")).PN. | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/24 10:23 |
| S81 | 4   | S80 and copolymer   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/24 10:25 |
| S82 | 209 | (359/536).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/24 10:28 |
| S83 | 365 | (359/538-540).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/24 10:28 |
| S84 | 129 | (359/541).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/24 10:28 |
| S85 | 426 | (359/529).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/24 10:28 |
| S86 | 964 | S82 or S83 or S84 or S85  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/24 10:28 |
| S87 | 312 | (S80 or S86) and (polyvinyl or amino or toluene or xylene)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/24 11:25 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S88 | 3007  | (retroreflect\$4 or retro?reflect\$4) same sheet\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 10:29 |
| S89 | 218   | S87 and S88   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 10:29 |
| S90 | 4     | (S80) and (polyvinyl or amino or toluene or xylene)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 10:32 |
| S91 | 8     | (US-20030151815-\$).did. or (US-5706132-\$ or US-6350036-\$ or US-6365262-\$).did. or (US-3493286-\$ or US-2275597-\$ or US-2897733-\$ or US-3030870-\$).did. | US-PGPUB;<br>USPAT;<br>USOCR  | OR | ON | 2007/04/24 10:36 |
| S92 | 3     | (S80 or S91) and (polyvinyl near2 (acetal or butyral))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 10:38 |
| S93 | 0     | (S80 or S91) and ((polyvinyl near2 (acetal or butyral)) near amino)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 10:39 |
| S94 | 0     | (S86) and ((polyvinyl near2 (acetal or butyral)) near amino)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 11:04 |
| S95 | 79885 | glass with (spher\$4 or ball? or bead?)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 10:41 |
| S96 | 176   | (S86) and (S95) and ((angl\$3 or angular\$2) with reflect\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 10:55 |

## EAST Search History

|      |     |  |   |    |    |                  |
|------|-----|--|---|----|----|------------------|
| S97  | 265 | (S86) and (S95) and (diameter)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 10:56 |
| S98  | 1   | (S86) and ((polyvinyl near2 acetal) near resin)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 11:05 |
| S99  | 5   | (S80 or S86) and (degree near polymerization)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 11:10 |
| S100 | 351 | (S80 or S86) and (S95)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 11:11 |
| S101 | 15  | S100 and (weight with resin with S95)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 11:12 |
| S102 | 13  | (US-20030151815-\$).did. or (US-5706132-\$ or US-6350036-\$ or US-6365262-\$ or US-5847795-\$ or US-6333817-\$).did. or (US-3493286-\$ or US-2275597-\$ or US-3030870-\$ or US-2897733-\$ or US-3014409-\$ or US-3204537-\$ or US-2937668-\$).did. | US-PGPUB;<br>USPAT;<br>USOCR  | OR | ON | 2007/04/24 11:16 |
| S103 | 10  | S102 and weight  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 11:21 |
| S104 | 354 | (S102 or S100)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 11:21 |
| S105 | 8   | S104 and (anti?foam\$3 or anti foam\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/04/24 11:21 |

## EAST Search History

|      |       |   |   |    |     |                  |
|------|-------|---|---|----|-----|------------------|
| S106 | 0     | (S80 or S86) and (alkyl?vinyl?ether or alkyl?vinyletcher) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/24 11:27 |
| S107 | 2     | (S80 or S86) and (fluoro?olefin or fluoroolefin)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/24 11:28 |
| S108 | 1     | ("20060256439").PN.                                       | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/27 07:30 |
| S109 | 1     | ("5620775").PN.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/25 16:10 |
| S110 | 1382  | high near2 refractive adj index near glass                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/25 16:11 |
| S111 | 1491  | high near2 (refractive adj index) near glass              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/25 16:10 |
| S112 | 2386  | high near2 (refractive adj index) near2 glass             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/25 16:11 |
| S113 | 79885 | glass with (spher\$4 or ball? or bead?)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/25 17:15 |
| S114 | 231   | S110 and S113   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/25 17:12 |
| S115 | 869   | (40/612).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/25 17:13 |

## EAST Search History

|      |        |   |   |    |     |                  |
|------|--------|---|---|----|-----|------------------|
| S116 | 15     | S113 and S115   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/25 17:13 |
| S117 | 49945  | microspher\$4 or micro?spher\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/25 17:16 |
| S118 | 123871 | S113 or S117  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/25 17:16 |
| S119 | 18     | S115 and S118   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/25 17:16 |
| S120 | 15     | (US-20030112519-\$ or US-20030151815-\$).did. or<br>(US-6190757-\$ or US-5706132-\$ or US-6350036-\$ or<br>US-6365262-\$ or US-5847795-\$ or US-6333817-\$).did.<br>or (US-3014409-\$ or US-3493286-\$ or US-3030870-\$ or<br>US-2275597-\$ or US-2897733-\$ or US-3204537-\$ or<br>US-2937668-\$).did. | US-PGPUB;<br>USPAT;<br>USOCR  | OR | ON  | 2007/04/26 07:14 |
| S121 | 1      | ("5008142").PN.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/26 07:29 |
| S122 | 66207  | degree near2 polymerization   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/26 07:29 |
| S123 | 16     | S120 or S121  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/26 07:50 |
| S124 | 0      | S122 and S123   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/26 07:30 |

## EAST Search History

|      |     |  |   |    |     |                  |
|------|-----|--|---|----|-----|------------------|
| S125 | 209 | (359/536).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/26 07:30 |
| S126 | 365 | (359/538-540).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/26 07:30 |
| S127 | 129 | (359/541).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/26 07:30 |
| S128 | 426 | (359/529).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/26 07:30 |
| S129 | 964 | S125 or S126 or S127 or S128   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/26 07:30 |
| S130 | 4   | S122 and S129  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/26 07:30 |
| S131 | 1   | S123 and (weight near resin)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/26 07:36 |
| S132 | 6   | S123 and (alkyd)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/04/26 07:36 |
| S133 | 16  | (US-20030112519-\$ or US-20030151815-\$).did. or<br>(US-5706132-\$ or US-6190757-\$ or US-6365262-\$ or<br>US-6350036-\$ or US-5847795-\$ or US-6333817-\$ or<br>US-5008142-\$).did. or (US-3493286-\$ or US-3014409-\$<br>or US-3030870-\$ or US-2897733-\$ or US-3204537-\$ or<br>US-2937668-\$ or US-2275597-\$).did. | US-PGPUB;<br>USPAT;<br>USOCR  | OR | ON  | 2007/04/27 09:52 |
| S134 | 4   | (US-6365262-\$ or US-6333817-\$).did. or (US-3014409-\$<br>or US-3204537-\$).did.  | USPAT;<br>USOCR   | OR | ON  | 2007/04/27 09:53 |
| S135 | 869 | (40/612).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR  | OR | OFF | 2007/04/27 10:01 |